

- 3 Type**
- SA** Thrust pin steel, without seal
 - KA** Thrust pin plastic, without seal
 - SB** Thrust pin steel, with seal
 - KB** Thrust pin plastic, with seal

d ₁	Side thrust force F in N				d ₂	l ₁ -1 Type SA / KA	l ₁ -2 Type SB / KB	l ₂ ±0,5		l ₃ ±0,5		w	Code no. for mounting tool
	Type SA / SB	Type KA / KB	Type SA / KA	Type SB / KB				Type SA / KA	Type SB / KB				
3	10	20	40	10	6	7	7,5	4	4	2,5	2,5	0,5	GN 715.1-3
5	20	50	100	20	10	11	12	6,7	6,3	4,2	3,8	0,8	GN 715.1-5.6
6	40	75	100	40	10	11	12	10,7	10,3	7,7	7,3	1	GN 715.1-5.6
8	50	100	150	50	12	13,5	14,5	13,6	13,2	9,6	9,2	1,3	GN 715.1-8
10	100	150	205	100	16	18	18,5	16,7	16,4	11,7	11,4	1,6	GN 715.1-10

Specification

Housing

Aluminum
Plain

Thrust pin

- Steel for type SA / SB
 - Hardened
 - Zinc plated, blue passivated
- Plastic for type KA / KB
Polyacetal (POM)

Thrust spring

- Side thrust force light
Stainless steel AISI 301
- Side thrust force medium
Spring steel blackened
- Side thrust force heavy
Spring steel zinc plated, blue passivated

Seal

Chloroprene rubber (CR)

RoHS

Spring loaded side thrust pins GN 715 are versatile and practical elements for holding, positioning and clamping of workpieces.

They eliminate costly alternatives, are space saving and easy to install. The kurlled body requires only a hole tolerance of H8.

For mounting the side thrust pins a suitable mounting tool GN 715.1 is available (see table).

see also...

	Page
GN 713 Side Thrust Pins (with Thread)	QVX
GN 714 Side Thrust Pins (Press-On Type, without Pressure Pin)	QVX

Technical InTypeation

Technical and Installation instructions	QVX
ISO Fundamental Tolerances	QVX
Plastic Characteristics	QVX

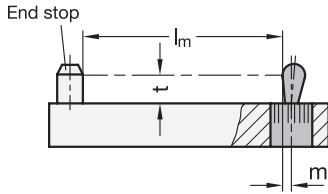
Accessory

GN 715.2 Eccentric Bushings	QVX
GN 715.1 Mounting Tools (Code no. see table)	

How to order

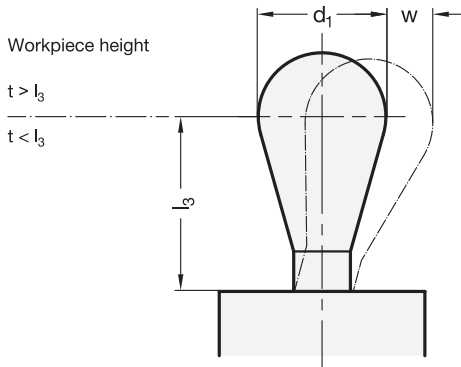
GN 715-5-50-SA

1	d ₁
2	Side thrust force F
3	Type



The position of the mounting hole results from the workpiece length l_m plus the hole offset m , which is calculated as shown below:

- w = Maximum movement range of the thrust pin
- t = Workpiece height
- m = Hole offset



Case 1:

The workpiece height t is greater than the cone height l_3

$$m = \frac{d_1}{2} - \frac{w}{2}$$

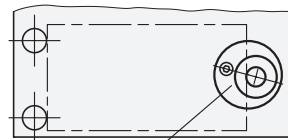
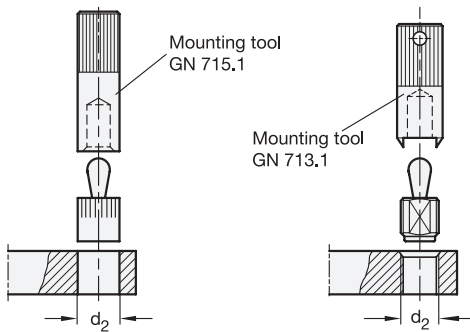
Case 2:

The workpiece height t is smaller than the cone height l_3

$$m = \frac{d_1}{2} - (l_3 - t) \times 0,123$$

If the position of the mounting hole is determined as specified, the full movement of the side thrust pin will be available to cover the tolerance of the workpiece.

In case 1, the lateral clamping force is coupled with a downward pull that presses the workpiece against the contact surface.



Eccentric bushing GN 715.2

The use of a mounting tool GN 715.1 or mounting tool GN 713.1 is recommended for installation.

Eccentric bushings GN 715.2 are an assembly aid for side thrust pins GN 714 / GN 715. They enable adjustment of the side thrust pins to the most favorable clamping position, e.g. to bridge larger tolerance ranges of a workpiece.

